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October 17th, 1958COCOM Document Sub-C (58) 6COORDINATING COMMITTEESUB-COMMITTEE ON LISTSINTERIM REPORT BY THE CHAIRMANCONCERNING DISCUSSIONS ON ALLOYSOctober 13th, 14th and 15th, 1958.S/TO
Sub - C (58)

Present: Belgium(Luxembourg), Canada, Denmark, France, Germany (Chairman), Italy, Japan, Netherlands, United Kingdom, United States.

References: COCOM Documents Nos. 2869.53; 2869.53; 3016.00/3 and Metals, Minerals and their Manufactures/W.P.22.

1. The Sub-Committee took as the basis for their discussion on this subject the proposals by the United Kingdom Delegation set out in the Annex to COCOM Document No. 3016.00/3.

A. AGREEMENTS REACHED

2. There was agreement on the general principles outlined in the Annex to COCOM Document No. 3016.00/3, as follows:

- (a) Alloys should be listed by reference to their principal constituent metal.
- (b) The critical content of that metal should as far as possible be specified by a percentage cut-off. In the absence of a percentage cut-off, all alloys containing the metal in question as the chief constituent would be covered.
- (c) So-called "Ferro-alloys" should be listed separately, as they cannot be considered as alloys in the usual sense.
- (d) If it is intended to cover scrap, this should appear in a separate sub-item, following the sub-item "metal and alloys", and would be understood to cover scrap forms of the metal and alloys listed.

3. As to the wording of the different metal definitions, all Delegations were in favour of the establishment of a uniform pattern of wording, it being understood that where "metal and alloys" are mentioned, there is automatic coverage of unwrought and semi-fabricated forms except where express provision to the contrary is made in the definition. This understanding, together with a list of the unwrought and semi-fabricated forms, would appear in a new Interpretative Note, to be established later.

4. In application of these understandings, the Sub-Committee agreed to recommend the changes of definition which are set out below:

Item 1635 Alloy steel, as follows:

- (1) Containing 50% or more iron and containing:
 - (a) 10% or more molybdenum (but 5% or more molybdenum in any alloy steel containing more than 14% chromium);
 - or
 - (b) 6% or more cobalt except permanent magnetic metals with a cobalt content of 25% or less; or
 - (c) 1.5% or more niobium or tantalum; or
 - (d) Nickel bearing steels, n.c.s., containing a total of 35% or more of alloying elements.
- (See Interpretative Note No. .)
- (2) Precipitation hardening steels, containing 4% or more nickel.
- (See Interpretative Note No. 4.)

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The United States Delegation maintained their reserve (see page 2 of the Appendix to COCOM Document No. 3016.00/1) as regards the understanding that only alloy steel containing 50% or more iron is covered.

As regards part (2) of the above definition (formerly Item 1635(e)) it was agreed that Interpretative Note No. 4 should be changed as follows:

Heading: Item 1635(2)
First line: Precipitation hardening steels, containing
 50% or more iron and containing 4% or more
 nickel".

Item 1648 Cobalt, as follows:

- (a) Ores, residue and concentrates, including arsenical crystals;
- (b) Metal and cobalt-based alloys;
 (See Interpretative Note No. .)
- (c) Scrap forms of the metal and alloys covered under (b) above;
- (d) Compounds

The United States Delegation reserved their position as to sub-item (c).

See also page 3 below.

Item 1649 Niobium (columbium), as follows:

- (a) Ores and concentrates;
- (b) Ferro-niobium and ferro-niobium-tantalum;
- (c) Metal and niobium-based alloys containing 60% or more niobium or 60% or more niobium-tantalum in combination;
 (See Interpretative Note No. .)
- (d) Scrap forms of the metal and alloys covered under (c) above.

Item 1654 Magnesium base alloys having a content of 0.4 per cent or more of zirconium, or 1.5 per cent or more of thorium, or 1 per cent or more of rare earth metals (cerium mischmetal).
 (See Interpretative Note No. .)

Item 1658 Molybdenum, as follows:

- (a) Ferro-molybdenum;
 - (b) Metal and molybdenum-based alloys containing --% or more molybdenum;
 (See Interpretative Note No. .)
- NOTE: This item does not cover clean wire of a diameter not exceeding 500 microns and which, after having been fully annealed, has an elongation factor not exceeding 5% for diameters up to 200 microns and not exceeding 10% for diameters of between 200 and 500 microns.
- (c) Tubing and platinum-clad tubing.

The Sub-Committee agreed that the former part (b) of Item 1658 - "Molybdenum-disulphide 86%" - should be transferred to the Chemicals category as Item 1743.

See also page 3 below.

Item 1661 Nickel, as follows:

- (a) Ores, concentrates (including primary residues, and matte);
- (b) Nickel-based alloys containing 32% or more nickel.
 (See Interpretative Note No. .)

Some Delegations pointed out that this definition covered certain types of resistance wires, and they reserved the right to submit memoranda on this subject at a later date.

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COCOM Document Sub-C (58) 6Item 1670 Tantalum, as follows:

- (a) Ores and concentrates;
 - (b) Ferro-tantalum and ferro-niobium-tantalum;
 - (c) Metal and tantalum-based alloys containing 60% or more tantalum or 60% or more niobium-tantalum in combination;
(See Interpretative Note No. .)
- NOTE: Governments may permit as administrative exceptions exports of tantalum in surgical forms. Such shipments should be reported in the monthly statistics.
- (d) Scrap forms of the metal and alloys covered under (c) above;
 - (e) Seamless pipe and tubing.

Item 1671 Titanium, as follows:

- (a) Metal (including sponge) and titanium-based alloys containing 70% or more titanium;
(See Interpretative Note No. .)
- (b) Scrap forms of the metal and alloys covered under (a) above.

B. PENDING MATTERSItem 1635(d)

Two Delegations were of the opinion that nickel-bearing alloy steel containing 20% nickel and 25% chromium should be excluded from this definition. It was therefore agreed to reexamine the question whether, from a security point of view, it was desirable to exclude this type of alloy from the definition - in which case the cut-off of 35% could be reduced to 32% as proposed during the list review.

Item 1648

No agreement could be reached on the United Kingdom proposal to embargo "Cobalt-base alloys, containing 50% or more cobalt (except stellites, other than those stellites containing more than 1% nickel)". The United States Delegation were prepared to accept the cut-off of 50% or more for cobalt-bearing alloys, but proposed to cover also cobalt-bearing alloys containing 19% or more cobalt and 14% or more chromium in combination. Furthermore, the United States Delegation were not ready to accept the exclusion of stellites as proposed by the United Kingdom Delegation. In the course of the discussions, some Delegations felt that there might be a possibility of reaching agreement on the following basis:

Metal and cobalt-based alloys (except stellites other than those stellites containing more than 1% nickel) containing 40% or more cobalt or 40% or more cobalt and chromium in combination.

All Delegations were prepared to submit this possibility to their Governments for further examination.

Cobalt compounds. The proposal by the French Delegation set out in W.P.22 having been introduced only a few days previously, Delegations were not in a position to give final views. To avoid the possibility of misunderstanding, the French Delegation specified that their intention was to cover all cobalt compounds containing 30% or more cobalt: the list given in their working paper was intended to be illustrative only.

Item 1658

All Delegations with the exception of those of the United States and the Netherlands, who were without instructions, were ready to accept a cut-off of 70%, as proposed by the United Kingdom Delegation. The United States Delegation proposed 50%. Some Delegations expressed their readiness to accept this cut-off or any compromise between 50 and 70.

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C. FURTHER ACTION

In order to allow Governments time to study pending matters and to prepare for a further conclusive discussion, it was agreed to hold a new series of meetings on or about the 5th November, the final date to be established by the Coordinating Committee. Further to the pending matters referred to in B above, the Interpretative Note on the coverage of metal items in general would be finally established at that meeting. In this connection, certain Delegations pointed out the special problem presented by castings and forgings.

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